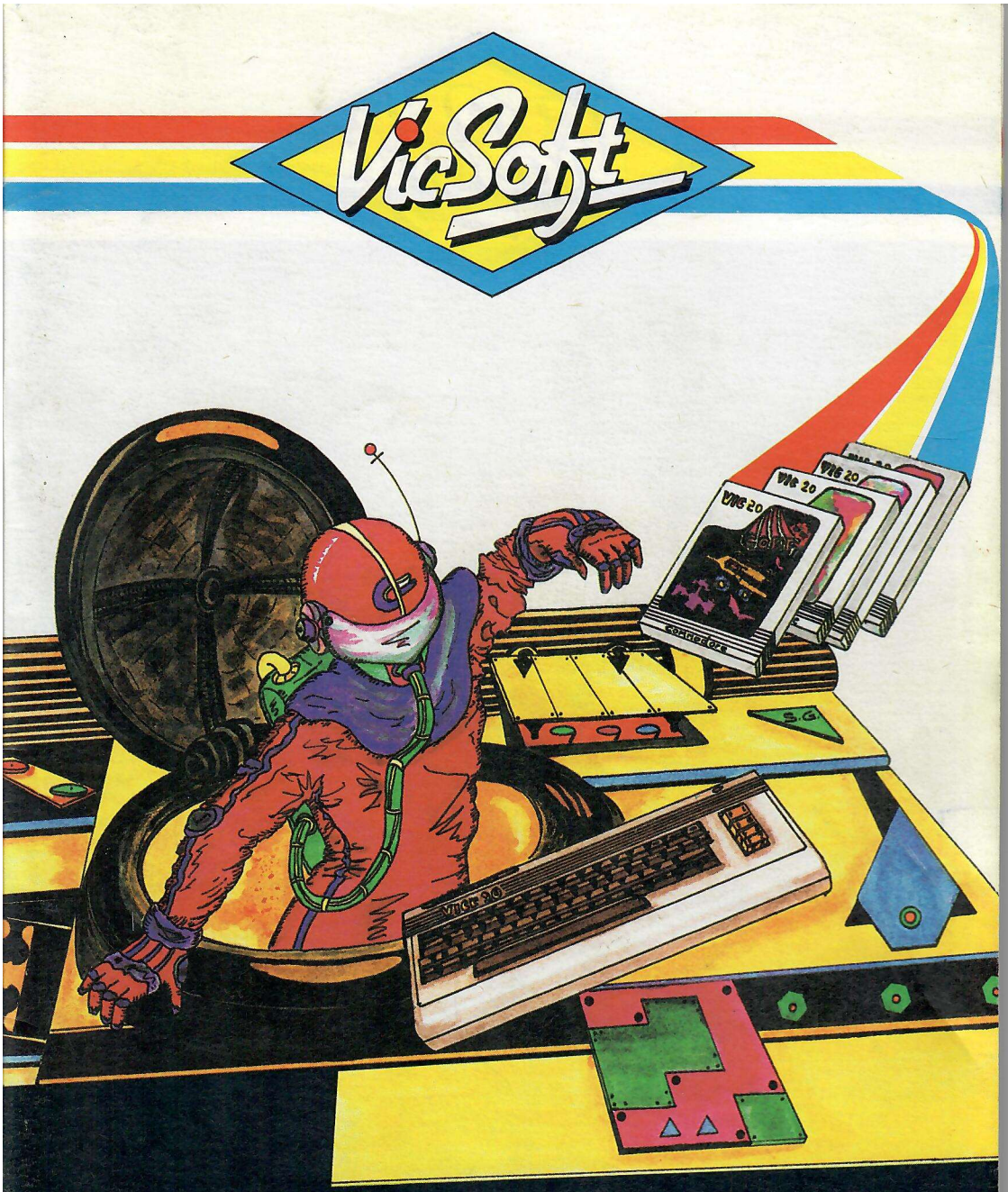
VicSoft



Autumn

AND COMMODORE

Hello Again!

Welcome to the fourth VICSOFT catalogue. Most VIC 20 owners now know about VICSOFT, the biggest and best club for software and add-ons for the Vic. It has always been our policy to offer something special to our members and this catalogue is no exception. If you're a member, you are already eligible for our special offers. If not, it is worth your joining. Membership costs just £5.00 and you get a free VIC 20 dust cover when you join (see page 48 for details). Featured in this issue we have a special offer on our 6-slot cartridge expansion module which could save you more than £50.00. There is also a combined peripheral/software offer which could save you up to £74.75! Don't miss these exclusive opportunities.

New Software Products

There's a lot of variety in this edition. As always there's a big selection of software that's new — Education titles, Programming products, Imaginative programs (like "Matchmaker") and of course lots of great games. You can also obtain products featured in our other VICSOFT catalogues. In fact, the range of software you can obtain from us is probably greater than anyone else could offer for the VIC.

New Add-Ons, Peripherals, Accessories

We're also offering more interesting and useful products to enhance your Commodore computer system. We feature an attractive home computing cabinet that you certainly won't have seen in the shops (page 43). There's a full range of products for storing your cassettes (page 8) and a speech synthesiser which offers endless possibilities for fun and education (page 25). Also newly available is the Commodore 1520 printer/plotter for convenience and creativity, with its ability to print and plot (draw) in four colours. VICSOFT give you an early opportunity to buy this exciting new product (page 30).

Price Reductions

And if thats not enough, we've made some very exciting price reductions on certain products you've seen before (see pages 4 and 5). So read every page - VICSOFT is too good to miss.

Order from this catalogue

Every VIC owner receives a VICSOFT catalogue or flyer four times a year. New products (some not available elsewhere), hints, tips and information pack fill the pages of every issue. This Summer catalogue was preceded by the Autumn and Spring catalogues and Winter flyer. The good news is that products from all four can be ordered using the order form on pages 55 and 56.

Barclaycard and Access card holders may order immediately by telephone (0753) 73638 (24 hour ordering service). The Members Special Offers are yours by quoting your membership number or by enclosing your membership form and £5 fee with your order (see page 57). Your membership card will be sent by return. You can even join VICSOFT by ringing our order phone.

DON'T MISS OUT! JOIN TODAY!
HAPPY VICING!

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VicSoft

COMMODORE ROM CARTRIDGES

Dramatic Price Reduction on Commodore Cartridge Games

The Commodore cartridge games have always provided a great range of software for your VIC 20. Just plug any one of of these quality games into your VIC and it's ready to play.

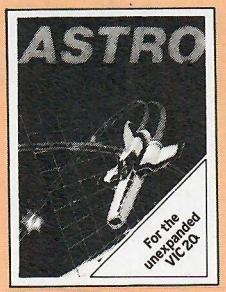
Increasing economies from mass production mean we can now offer them to you for just £9.99 each. That is nearly Half The Previous Price.

DOWN!
9-99

Stock Up Now!

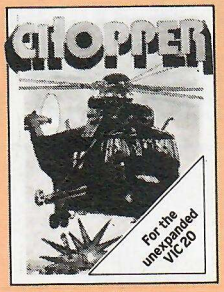
VicSoft

SUMLOCK MICROWARE



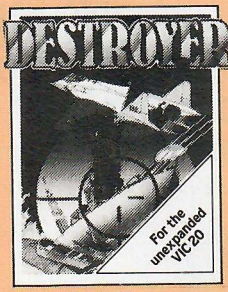
(VS 0516) **£6.95**

SP6. ASTRO FIGHTERS. Is one of the few games for the VIC 20 which must be played by two players at the same time. Each player is the pilot of an Astro Fighter—the mission is to destroy your opponents ship before he destroys you. But watch out for the dangers that face you in each sector of space, the meteor field, deadly rotating proton star, star gate maze etc. Programmed in Machine Code. Hi-Res Colour Graphics and exciting sound effects. Game time selection. Joystick essential.



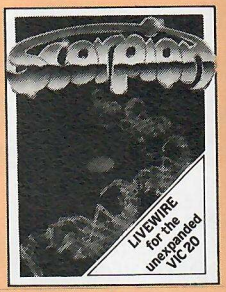
(VS 0517) **£6.95**

SP.7 CHOPPER. Your objective is to destroy all enemy convoys, tanks and gun emplacements by bombing them. Set between sheer mountain ridges, the name of the game is skillfull manoeuvering of your helicopter and accurate bombing. Skill that's put to the test by enemy shell fire and a relentless guided missile system. Programmed in Machine Code. Hi-Res Colour Graphics and sound. Progressive difficulty of play and Joystick or keyboard control.



(VS 0524) **£7.95**

SP.8 DESTROYER. Become the commander of the destroyer H.M.S. Victory and take on the enemy submarines by depth charging all that enter your area, but take care, underwater mines continually threaten you. You must also keep an eye on your radar scanner for early warning of air attack by the deadly accurate bombers. Shoot them down or risk being blown out of the ocean. Machine Code. Hi-Res Graphics. Joystick NOT required.

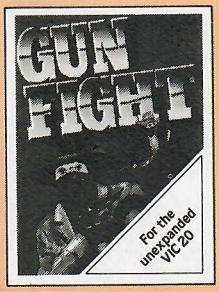


(VS 0519) **£7.95**

SP.15 SCRORPION. Although the desert sets the scene, this is no mirage, trails of scorpions out to kill you, shoot or be stung! Poisonous cacti offer cover for them as they wind their way down, more hazards, a deadly spider with a fatal bite, the dragon lizard ready to kill, falling cacti spores which create even more cacti. If you like action! You Got It! Programmed in Machine Code. Hi-Res Colour Graphics and sound effects. Joystick or keyboard control.

(VS 0520) **£6.95**

SP.10 SPACE RESCUE. It's their lives in your hands! Pilot your descent through the meteor streams and make a safe landing, pick up the stranded crew members and return to the Mother-ship through the meteors, shoot them as you go to pick up points, take care to dock accurately and prove yourself a worthy pilot. Machine Code and using Hi-Res Colour Graphics and sound effects. Progressive difficulty of play. Operates from a Joystick or the keyboard.

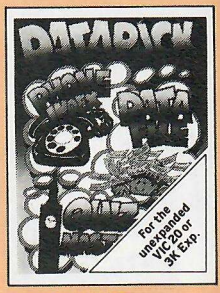


(VS 0522) **£6.95**

SP. 9 GUNFIGHT. Wild west action for your VIC 20, shoot it out with the computer or against another player. Find yourself out on the range, it's him or you, fight to the death, take cover behind rocks, trees, or cacti, or keep on the move, but watch out for ricocheting bullets, this piece of desert is definetely a dangerous place. Machine Code. Hi-Res Graphics with sound. Joystick or keyboard.

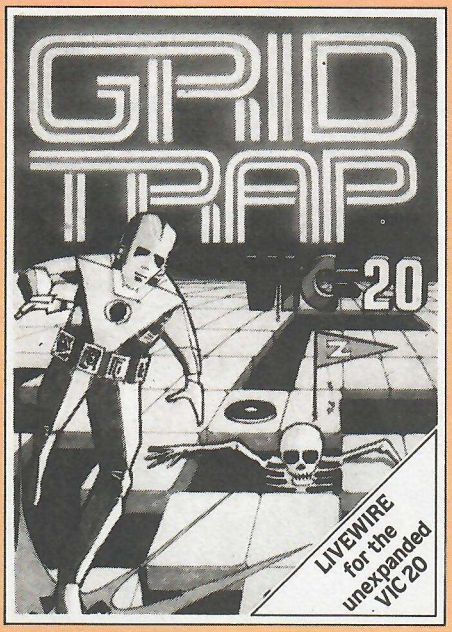
(VS 0518) **£6.95**

SP.12 PUZZLE PACK. A compendium of six intriguing puzzles and games for all the family, ranging from light hearted diversions to IQ testing conundrums ORBITS, KNIGHTS MOVE, GRAPHIC TWISTER, RAINBOWS, SLIDE PUZZLES AND DIGITS, written by a puzzle expert. These titles are entertaining and educational for all ages and abilities.



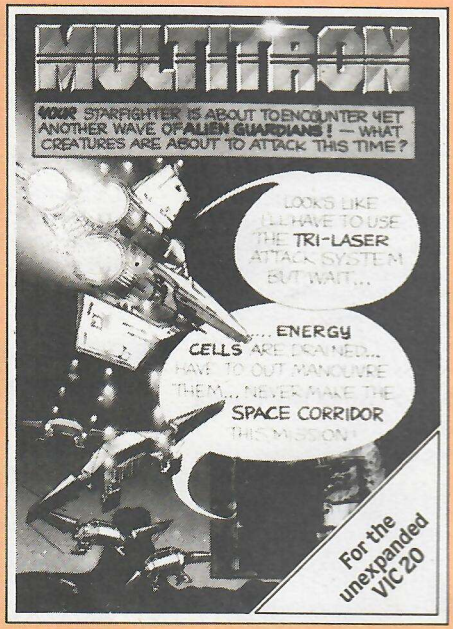
(VS 0525) **£8.95**

AP.14 DATAPACK. An introduction to data file handling with an educational and entertaining aspect, use it for lists of birthdays, telephone numbers etc., even stock control, and also to make up quizzes and tests. The pack includes DATA FILE for storing alpha or numeric data, with facility to ammend. **DATA SORT.** To sort that data by alpha or numeric criteria. **DATA TEST.** Provides a test or quiz facility using the recorded data. PLUS... recorded example, data lists of capital cities, general knowledge and multiplication tables.



(VS 0515) **£7.95**

SP. 4 GRIDTRAP. This is action all the way! Avoid the deadly land mines and giant stomping boot, and defuse the bombs set at random within the time limited, as you run around the grid the squares disappear preventing your return, however a unique feature of gridtrap allows you to scroll left to right to restore rows and continue defusing! Keep an eye on the clock! Programmed in Machine Code. Hi-Res Colour Graphics and novel muscial sound effect. Joystick or keyboard control. Progressive difficulty to play.


MULTITRON
YOUR STARFIGHTER IS ABOUT TO ENCOUNTER YET ANOTHER WAVE OF ALIEN GUARDIANS! — WHAT CREATURES ARE ABOUT TO ATTACK THIS TIME?
LOOKS LIKE I'LL HAVE TO USE THE TRI-LASER ATTACK SYSTEM BUT WAIT...
... ENERGY CELLS ARE DRAINED... HAVE TO OUT MANOUVRE THEM... NEVER MAKE THE SPACE CORRIDOR
For the
unexpanded
VIC 20

(VS 0523) **£7.95**

SP. 16 MULTITRON. Lightning responses are required in manning your Starfighter through what can only be described as the biggest alien encounter of all time. Using your laser cannon, destroy or be destroyed. The 'meanies' the warp stingers, tri missiles, star hoppers, space turtles, the cosmic phoenix, all defend the ultimate journey through the space corridor, in wave after wave of invasion action... Survive this one and you could make a true starfighter pilot.

SUMLOCK
MICROWARE
SUPERB SOFTWARE FOR THE VIC 20

CAMBRA

To look after your cassette software and keep it tidy, we are offering an attractive range of cassette care products from Cambra. Cambra is one of the leading suppliers of cassette and disk care products with a wide choice of high quality storage and carrying cases.

Cassette Carrying Cases

(VS 0890) £3.25

(VS 0891) £4.99

Cassettes are held in individual divisions. Made with tough, washable black p.v.c. In attractive grained finish.

Specify

VS 0890 (holds 16 cassettes).
VS 0891 (holds 32 cassettes).

'Savoy' Deluxe Lockable Carrying Case

(VS 0982) £7.99

Holds 32 cassettes in individual dividers. Features "Attache Case" styling and attractive soft inner lining.

3-Drawer Cassette Storage Cabinet

(VS 0894) £9.99

A sturdy and attractive cabinet that holds up to 36 cassettes discretely stored away in three drawers. Several cabinets can be stacked if required. Styled in "Woodgrain" finish to blend with home furnishing.

Cassette Storage Cabinet

(VS 0893) £8.49

This attractive unit features sturdy construction, "Woodgrain" finish and hinged smokey perspex lid. Holds 33 cassettes in individual dividers.

'Pop' Cassette Carrying Case

(VS 0895) £3.50

A bright, very tough case that holds and protects up to 36 cassettes. Low price for excellent value.

Cassette Head Cleaner

(VS 0896) 99p

Ever had trouble caused by dirty tape heads? Here's a non-abrasive tape head cleaner to help keep your cassette unit functioning perfectly. Just load into your cassette unit and press "Play" button.

COMMODORE HOME SOFTWARE

Ask The Family

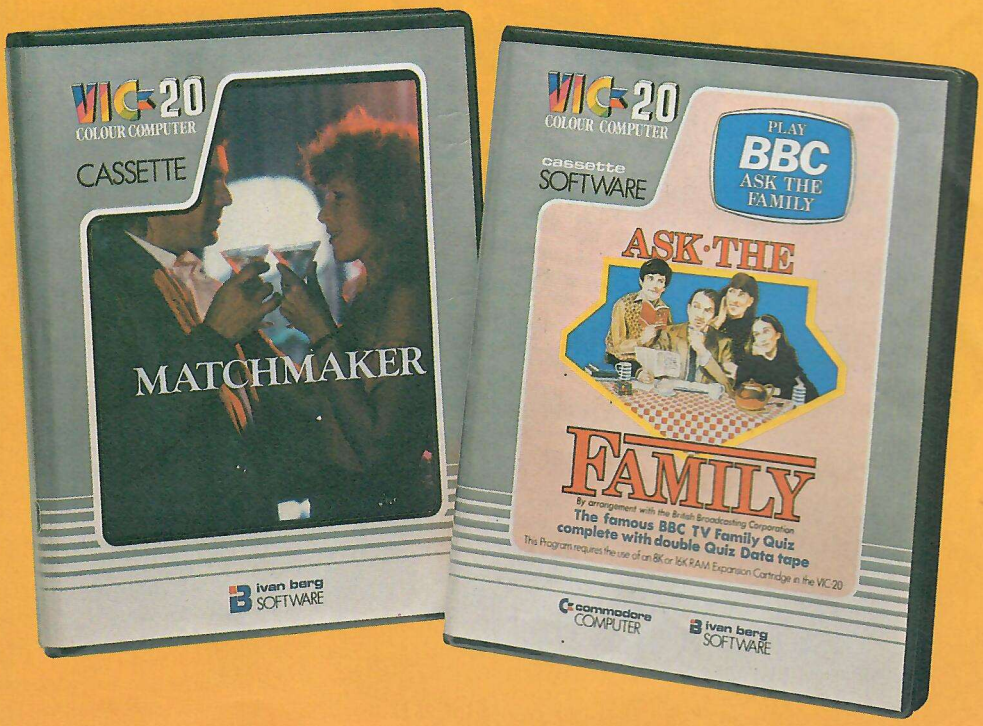
(VS 3510) £9.99

You have invited a friend's family around for dinner. There is a lull after the meal and the washing up has been done. Load this famous family game into your computer and play it as seen on TV. There are written, musical and graphical questions, all of a general knowledge type. Make sure that you have someone quick on the buzzer, but do not be too over anxious or else you will give the option to the other family. Drinks all round at the end.

Matchmaker

(VS 3530) £9.99

A fabulous introductory game for a party, especially one where everybody knows each others' likes and dislikes. At some time during the party get each person to sit down at the console and answer 25 personal, but not too personal, questions. Then, later when everyone has entered their details, gather round the screen and find out who are and are not really compatible. If done "in the best possible taste" Matchmaker can create a lot of laughter.



VicSoft

micro-antics
exceptional software

FEATURES *

FAST ACTION M/C CODE, CARS, LORRIES, DIVING DUCKS, CHICKEN PIES, FOXES & EGGS.

TIME LIMIT.

EASY TO USE KEYS/JOYSTICK.

INCREASING DIFFICULTY WITH SCORE.

FULL SOUND WITH BACKGROUND THEME 'TAKE FIVE'!

CHICKEN CHALLENG

(VS 0751) £6.99

Chicken Challenge is th ultimate in the Frogger type of game. Take five leaping, squawking, chickens across the motorway, over the stream, through the Chicken Pie factory, to t safety of the home roost

At first the motorway is quiet, but it soon fills up with four lanes of cars a lorries — recipe for a Chickenburger! Then on to the verge — watch ou for the sneaky fox — ho across the stream on a duck (before it ducks!) – watch out again for the f — then . . . into the Chicken Pie factory. Lea across the moving conveyors, taking care n to land up in a pie. Then safely home, if the fox is waiting for you!

Phases follow on, and difficulty increases with score. Chicken Challeng is easy to use, very challenging, well written 100% machine code with lots of fun features.

UNEXPANDED

VIC 20

Fantastic Family Fun!

BRAIN PAIN
The Memory Game!

UP TO 6 CAN PLAY THIS RIOTOUS GAME OF FINDING THE MATCHING PAIRS. FOR ONE PLAYER IT'S A RACE AGAINST THE CLOCK - 350 SECONDS IS AVERAGE 240 SECONDS IS REALLY GOOD.

AND.....

IF YOU THINK YOU CAN MAKE BETTER PICTURES WITH THE VIC GRAPHICS - THEN DO IT WITH THE SPECIAL EDITOR!

FEATURES FULL COLOUR, 34 PICTURES, SCORE OR TIME, PICTURE EDITOR, KEYS OR JOYSTICK, 1 TO 6 PLAYERS.

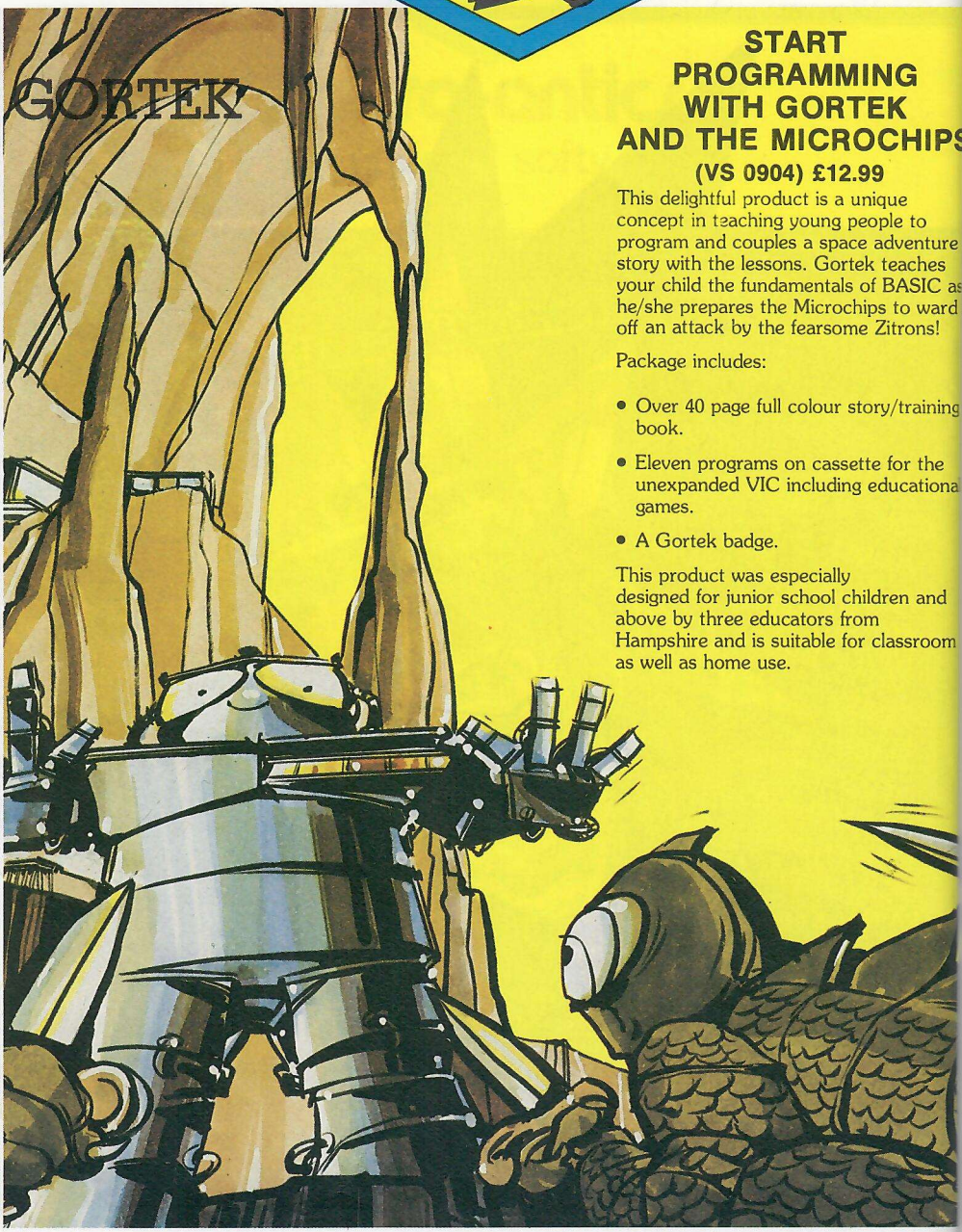
RAIN PAIN (VS 0752) £6.99

he game that everybody can enjoy! Kids from 5 95 have a great time with this compelling ersion of the well known game of Pelmanism, or airs.

ll you need is your memory, its a great leveller.

ighly acclaimed by those who have played, rain Pain never fails to create excitement, espair, frustration and elation! Grown-ups, try it n your dinner guests!

rain Pain is a must for every VIC family.



START PROGRAMMING WITH GORTEK AND THE MICROCHIPS

(VS 0904) £12.99

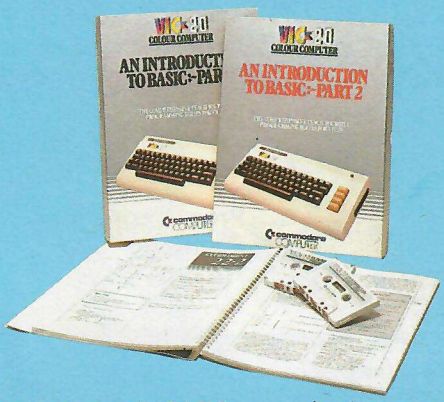
This delightful product is a unique concept in teaching young people to program and couples a space adventure story with the lessons. Gortek teaches your child the fundamentals of BASIC as he/she prepares the Microchips to ward off an attack by the fearsome Zitrons!

Package includes:

- Over 40 page full colour story/training book.
- Eleven programs on cassette for the unexpanded VIC including educationa games.
- A Gortek badge.

This product was especially designed for junior school children and above by three educators from Hampshire and is suitable for classroom as well as home use.

INTRODUCTION TO BASIC



An Introduction to BASIC — Part 1

(VS 2501) £14.99

This book is Part 1 of a two part course designed to train the novice computer user in every aspect of BASIC programming on the VIC 20. This first part of the course covers the elementary aspects of BASIC so that by the end of the book the user can write useful, well designed BASIC programs.

The course is divided into individual units, each of which covers one aspect of BASIC programming. To help the learning process, "Introduction To BASIC — Part 1" includes two cassette tapes which contain example programs, questionnaires on each topic covered in the book, and a stencil for drawing flow diagrams.

Introduction to BASIC — Part 2

(VS 2502) £14.99

For those of you who have mastered the initial programming skills in "Introduction To BASIC — Part 1", Part 2 develops these skills still further. "Introduction To BASIC — Part 2" takes you further down the road of discovery. Subroutines begin to play an important role in your programs. Many useful subroutines are also included. Guidance and detailed explanations are given on the structure and design of your programs. No "chip" is left unturned. You are soon ready to create those fascinating arcade games or comprehensive applications programs. Insights into different techniques are provided along with close analysis of listed programs. Furthermore hints and an abundance of stimulating ideas are included for you to pursue. Moreover, the "Introduction To BASIC — Part 2" demonstrates how to program the sound chip to enhance your programs. There's plenty of challenges for you programmers of the future. Comes complete with two cassettes containing 17 programs.

VICSOFT Exclusive - Commodore C10 Data Cassette

(VS 0100) **99p**

Order 10 and pay only £8.99.

VICSOFT members can buy this tape for just 75p.

VICSOFT offers you an exclusive opportunity to buy our high quality data cassette for program or data storage.

To avoid lengthy rewinding this cassette is in a handy C10 length. Designed and made specially for computing, with a precision mechanism and tape of the high quality needed for data recording.

PROGRAMMING AIDS

Super Expander Cartridge

(VS 1211A) £34.95

The VIC Super Expander adds new colours, new sets of graphics and an enlarged music writing potential to the VIC 20. No longer is it necessary to access memory locations in the VIC to perform these tasks.

Eight simple BASIC-type commands, such as CIRCLE, DRAW, and PAINT enable shapes to be created and filled with colour via the cartridge. There are eleven music-writing commands to compose and play music using chords or single notes in a five octave range.

Seven read functions included determine the values contained in various VIC memory locations. In addition, the four function keys are programmable. The cartridge also contains an extra 3K of memory (RAM).

Programmer's Aid Cartridge

(VS 1212) £34.95

The VIC 20 Programmer's Aid Cartridge is designed to help both new and experienced BASIC programmers to write, edit and debug programs quickly and easily. Automatic program-line numbering and error highlighting are just two of the fifteen commands supplied by the cartridge. Other commands available include RENUMBER, FIND, DELETE and MERGE.

The command HELP displays the line where an error occurec DUMP will display the values o all non-array program variables STEP and TRACE enable the programmer to view program l numbers as the program is executed.

Can be used with the standa VIC or in conjunction with ext memory (RAM) in a VIC expansion board.

Machine Code Monitor Cartridge

(VS 1213) £34.95

The Machine Code Monitor is invaluable for people who wish write 6502 assembly language programs on the VIC 20. The monitor provides eighteen commands to aid in inputting a debugging.

Main features include an ASSEMBLE command to mak code typing more simple VICMON offers three speed options for running the progra These are WALK, QUICK TRACE and GO.

Additional commands includ exit to BASIC, save to or load from cassette or diskette, disassemble blocks of memory and NUMBER.

In general the commands ar specified by a single alphabetic character and command parameters, if required. The parameters may be address(es op codes, operands, values, d etc.

The cartridge plugs into the expansion port or into a mem expansion board and may be used with additional RAM.

"Highly Recommended"
— Popular Computing

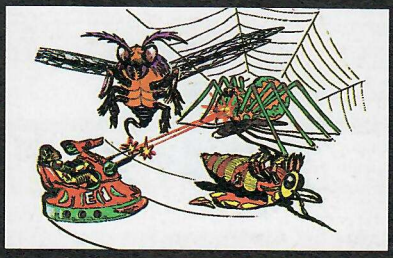
BUBBLE BUS

Three New Games all for the Unexpanded VIC 20

exterminator (VS 0310)

One of the fastest all action games around for the VIC 20. Written in machine code and using high resolution graphics and great sound EXTERMINATOR will have you coming back for more – again and again. Shoot the moving snake and anything else that appears!

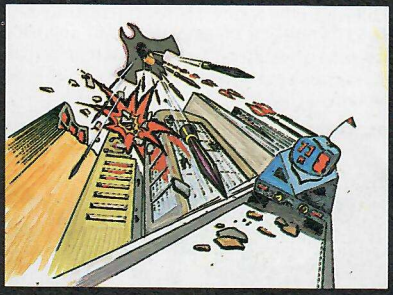
Uses Joystick or Keys.



the catch (VS 0308)

Use your skill to catch the alien bombs before they hit your cities. THE CATCH is great fun and gets progressively faster and more difficult. Written in machine code and using high resolution graphics and good sound.

Uses Joystick or Keys.



antimatter splatter (VS 0309)

Superb machine code game. Your job is to fire your splatter cannon into the antimatter being dropped onto your men in an unpredictable way – faster and faster. Great high resolution graphics and sound. Not to be missed.

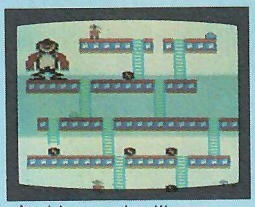
Uses Joystick or Keys.

only £3.99 each

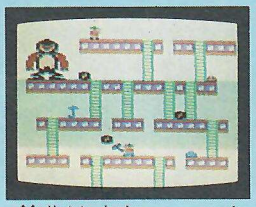
ANIROG

Krazy Kong (VS 0875) £7.90 K.B./J.S. 16K EXP.

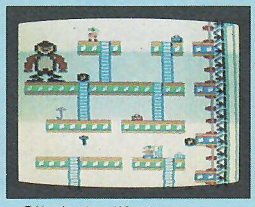
A very popular arcade game has been brought to life in this all machine code presentation with four screens multi-colour graphics plus features like hi-score table. A game to enthral the whole family.



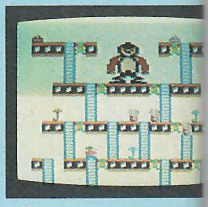
Ladders and rolling barrels. Handbags and umbrellas for bonus.



Mallet to help you smash the barrels.



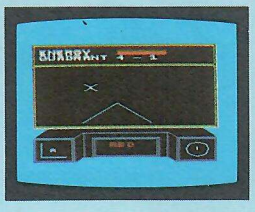
Climb the lift to rescue.



See the spectacular collapse of Kong's la

Galactic Abductors (VS 0874) £7.90 J.S. 16K EXP.

Experience the terrifying, relentless sound of the approach of the Cybernatic space hawks. While you try to protect yourself from the awesome contents of their pods, they feed greedily on the helpless humanoids. All machine code program that fills the whole of the screen with stunning graphics while it tests your skills to the ultimate.



3D Time Tr

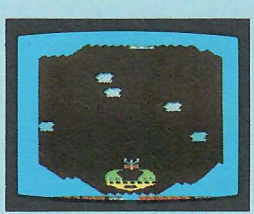
(VS 0886) £5

J.S. 16K E

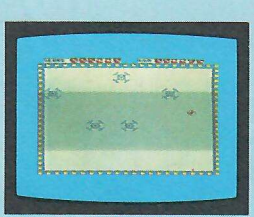
A brilliant Star Trek with a difference. Spectacular 3D grap real arcade action p game of strategy ag marauding space pi

Xeno II (VS 0881) £7.90 J.S. 16K EXP.

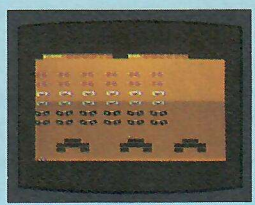
This all machine code game is for true arcadians with super-fast reactions and nerves of steel under pressure. The forth screen will test you to the limit as the power source guardians bombard you while your shots are blocked by whirling suicide space ships.



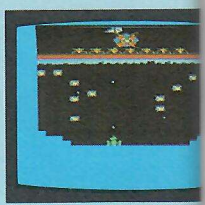
Disengage and manoeuvre your craft through the astroid belt to land gently on Xeno II



Fight waves of intruders' seeking homing space mines

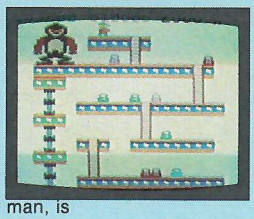


Fight the legions of Outer Sanctum dropping plasma bombs



Fight the guardians of the Power Source of Xeno II.

UNEXP. GAMES

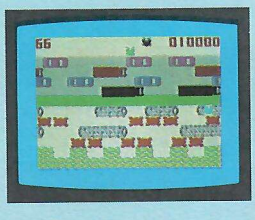


Mini Kong (VS 0884) £5.95 **K.B./J.S.**

Mini version of our famous Krazy Kong. Rolling barrels, lift, handbags, running score, hi-score plus expanded screen and brilliant multi colour graphics.

Slap Dab (VS 0887) £5.95 **K.B./J.S.**

A fast moving comical game involving skill and strategy. Sam, the painter man, is chased by woodworms he uncovers while painting a large area. He must now paint with skill and planning to isolate them and make frequent trips to fill up the paint pot.



Frog Run (VS 0878) £5.95 **K.B./J.S.**

All machine code game inviting you to guide your frogs across a very busy highway, a grassy bank populated by snakes and then a stream full of turtles, logs and ferocious crocodiles.

Dotman (VS 0883) £5.95 **K.B./J.S.**

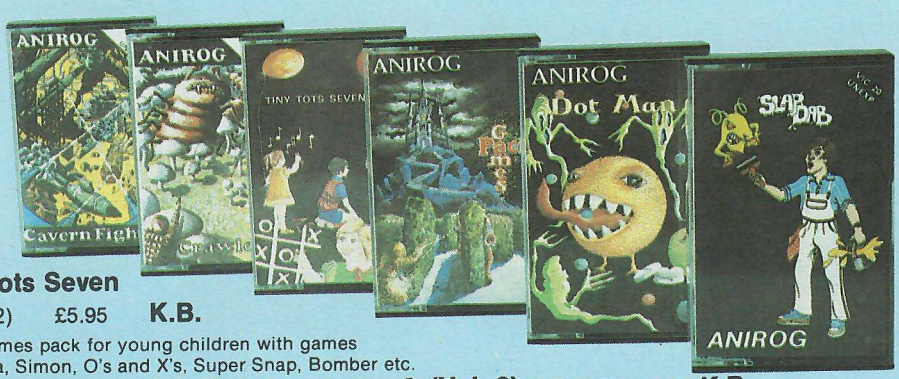
Ghosts chase you as you try to eat the dots. Based on the famous arcade game but with a big difference — the ghosts have been given intelligence and will try to corner you.

Crawler (VS 0882) £5.95 **J.S.**

All machine code version of Centipede with homing spiders and mushroom laying fleas. A fast and furious game with 10 skill levels.

Cavern Fighter (VS 0870) £5.95 **K.B./J.S.**

Pilot your ship through the tortuous tunnels and caverns destroying enemy missiles, fuel dumps and airborne fire saucers. 10 skill levels.



Tiny Tots Seven
(VS 0872) £5.95 **K.B.**

Super games pack for young children with games like Santa, Simon, O's and X's, Super Snap, Bomber etc.

Seven Programs (Vol. 1) (VS 0876) £5.95 **& (Vol. 2)** (VS 0877) £5.95 **K.B.**

HI-RES games for the whole family with games like OTHELLO, SLALOM, BREAKOUT etc.

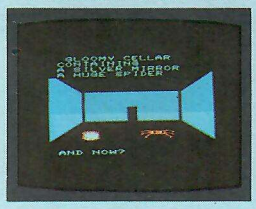
ANIROG

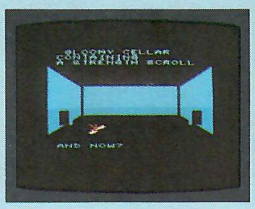
Pharoah's Tomb (VS 0873) £5.95 **K.B.** **16K**

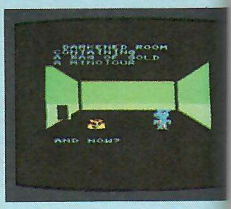
The Pharaoh's tomb was desecrated by the tomb robbers and now abounds with evil. Only by entering the chamber with TRIANGLE OF GOD can you remove this evil. The key to the chamber was smashed into pieces which you must find. Beware of the traps set by the ancient Egyptians to punish all those who enter the sacred tomb.

The Dungeons (VS 0885) £5.95 **K.B. 16K EXP.**

Enter the realms of fantasy with this superb high resolution, multi-colour graphic adventure on the VIC 20. Batt with the fearful fire breathing Red Dragon and many other monsters to see if you can find the magic key to escape. Choose your role as Magician or Fighter. The dungeons comprise one hundred chambers. Avoid the traps, gain experience points and collect treasure provided you do not get starved in the process. You can save the adventure and solve it over months or quit and have a new adventure. Text and graphical adventure that wil entertain, frustrate and reward you.





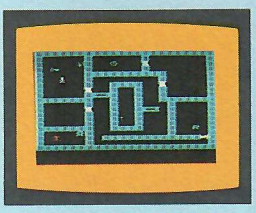
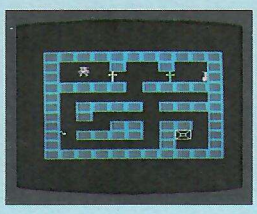
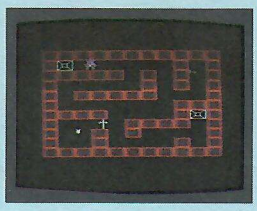
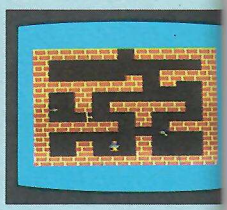


Zok's Kingdom (VS 0880) £5.95 **K.B./J.S.** **16K**

In the year 2973, your starcruiser, badly damaged in a meteor storm, is forced to crash land on the planet, ruled by ZOK, a time-space generated image of Count Dracula. ZOK is evil, cunning and cruel. Your chances of rescu are nil as all the galactic patrols give this planet a wide berth. You are hungry, frightened and know that ZOK is watching and setting traps.

Dracula (VS 0879) £5.95 **KJ.B.** **UNEXP.**

Dare you enter DRACULA's castle? Can you find him and drive a stake through his heart before he rises? Time short and Dracula awaits you.

VicSoft

INTERCEPTOR MICROS

Falcon Fighter

(VS 0648) £6.00

(based on arcade smash hit **Scramble).**

Written in Machine Code.

You are flying over enemy territory in your Falcon Fighter. You are showered by meteors and attacked by ground-to-air defence systems.

With stars, mines, meteors, rockets and UFO's this game becomes a real challenge. Includes eight levels and four speeds.

While under attack you must carry out your mission, which is to destroy the offensive ammunition dumps and the depots.

Unexpanded VIC 20. Joystick or keyboard.

Jupiter Defender

(VS 0649) £6.00

(based on the arcade smash hit **Defender).**

Written in machine code.

Jupiter is under attack from an alien civilization. You lead the defence flying the latest technically advanced weaponry, the ultimate fighting machine, Jupiter defender. Blast your way through the marauding intruders which include aliens of various species, Baiters, Mutants, Landers and deadly Pods which when hit explode into a mass of swarmers.

Joystick only.

One of the most common queries received by the Commodore Information Centre concerns the symbols that are found in some program listings which appear in computer magazines. Here is a VicTip to help you understand them.

The Vic allows you to specify control keys, etc in print statements so that these functions can be executed within a program. For example it is possible to position the cursor or clear the screen using the relative symbol within the quotation marks. The following list shows the symbols and the keys that generate it. (Don't forget the quotes).

VicTips

SHIFT & CLR/HOME	CTRL & 8	F5
CLR/HOME	CTRL & 9	F7
CTRL & 1	CTRL & 0	F2
CTRL & 2	CRSR DOWN	F4
OR CTRL & 3	CRSR RIGHT	F6
CTRL & 4	CRSR UP	F8
CTRL & 5	CRSR LEFT	CTRL & N
CTRL & 6	F1	CTRL & H
CTRL & 7	F3	CTRL & I

COMMODORE IN EDUCATION

The TEACH AND TEST series FOR AGES 5 to 8

The TEST AND TEACH series has been designed to test the reading and arithmetic skills of children in the 5 to 8 years age group. Four packages are included in the series: ALPHABET, VOCABULARY, ARITHMETIC 1 and ARITHMETIC 2. Each package contains a teaching section and various tests on what has been covered. Some of these tests take the form of games, so that the child can learn as he is playing. Each package makes extensive use of the graphics and sound features of the VIC 20 to assist parents in the teaching process.

All of the packages below require the use of an 8K or 16K Memory Expansion cartridge. Several cassette programs are in each package.

Arithmetic 1

(VS 3432) £9.99

This package is designed to teach your child how to do simple addition and subtraction using the numbers from zero to ten.

Arithmetic 2

(VS 3433) £9.99

ARITHMETIC 2 introduces the child to simple multiplication and division.

Alphabet

(VS 3430) £9.99

This package introduces your child to the letters of the alphabet both in lower and upper case. Pictures of everyday objects are displayed and the child must insert a missing letter into the object's name.

Vocabulary

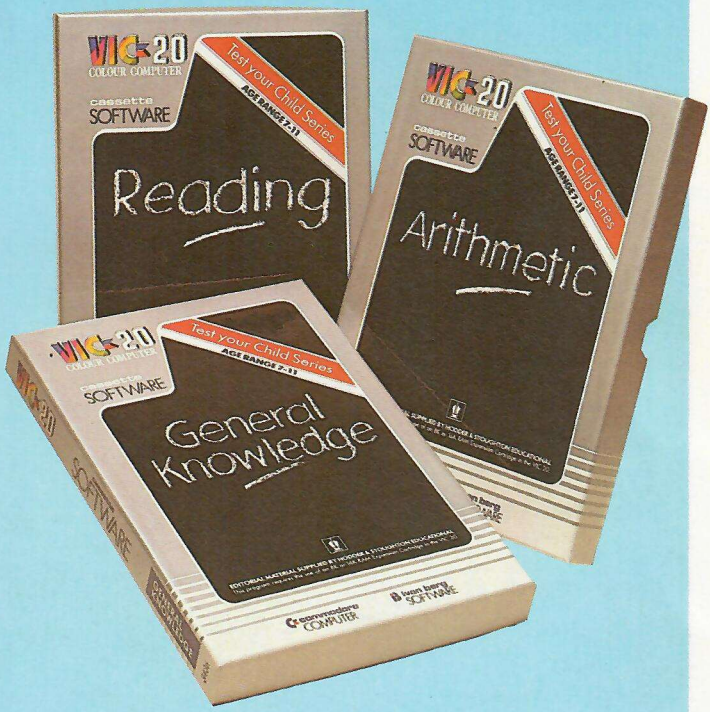
(VS 3431) £9.99

VOCABULARY is aimed at increasing your child's word power. It does so by displaying labelled pictures of familiar objects and then asking the chil to enter the word associated wi each part of the picture.

The TEST YOUR CHILD series FOR AGES 7 TO 11

The TEST YOUR CHILD series is designed for children in the 8 to 11 years age group.

The topics included in the series are: ARITHMETIC, READING, GENERAL KNOWLEDGE, SPELLING 1 and SPELLING 2. The programs are in the form of tests, the score appearing at the conclusion of each exercise. All of the packages below require the use of an 8K or 16K Memory Expansion cartridge. Several cassette programs are in each package.



General Knowledge

(VS 3436) £9.99

This package is in the form of a number of quizzes covering both general knowledge and nine specialist subjects. These include: History, Geography, Science, Sports, Food and Drink, People, Books, Travel and Nature. A score is given at the end of each quiz.

Spelling 1 (VS 3437) £9.99

Spelling 2 (VS 3438) £9.99

These packages test the spelling capabilities of your child. This is done by asking the child to identify and correct text where words have been incorrectly spelt and solve easy to understand crossword puzzles.

Arithmetic

(VS 3434) £9.99

This package is aimed at testing your child's arithmetic powers. Subjects covered include: addition, subtraction, multiplication, one line and long division, fractions and decimal numbers. A Problems section tests all of the subjects learned.

Reading

(VS 3435) £9.99

READING is designed to test your child's literacy ability. It covers subject's ranging from the use of simple words to elementary reading exercises.

COMMODORE NEW CASSETTE MULTIPAKS

TAKE ADVANTAGE OF THESE NEW MULTIPACKS AND SAVE MONEY. SOME OF THE PROGRAMS HAVE BEEN MARKETED SEPARATELY: SOME HAVE BEEN PRODUCED SPECIALLY FOR THE MULTIPACKS. CHECK THAT YOU HAVE THE REQUIRED EXPANSION.

GREAT VALUE FOR MONEY

Junior Maths Fun Series 1 (4-8 year olds)

(VS 3440) £11.99

REQUIRES 3, 8 OR 16K RAM EXPANSION

Three cassettes containing six maths programs especially designed for children in the 4 to 8 years age range. Each uses the VIC's excellent colour graphics and sound attributes to exercise the child's numeracy skills in a fresh and exciting way. Programs cover basic counting abilities and simple addition and subtraction. The programs contained in this pack are:

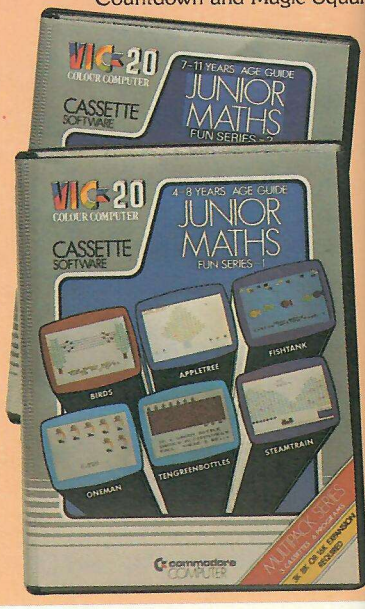
1. Ten green bottles.
2. Birds.
3. Appletree.
4. One man went to mow.
5. Fishtank.
6. Steam train.

Junior Maths Fun Seri 2 (7-11 years old)

(VS 3441) £11.99

REQUIRES 3, 8 OR 16K RAM EXPANSION.

For the slightly older age grou these six programs are design to test your child's progress in mathematics. Again the colour graphics and sound of the VIC are used to enhance the programs and retain the child' interest whilst learning. The programs contained in this pa include Engine Shed, Lighthou Subtraction, Boiling Point, Countdown and Magic Square



DAMS ELECTRONICS

We are a member of a group of companies which has been trading for over 15 years. The group has established an excellent reputation for sales and service across the whole spectrum of office equipment. We at Dams specialise in the manufacture and distribution of hardware add ons, principally for the Commodore VIC and 64 Machines.

We have extensive range of superior cartridge based software that include the renowned maxi mon machine and super aid BASIC programming tool.

Dams Light Pen

(VS 0932) £26.99

Dams all new Hi-res Light Pen adds an extra dimension to your VIC-20. Dams Light Pen is an easy to use addition to your computer which will enhance any programmers software.

Your Light Pen is an ELECTRIC PENCIL able to write on the TV screen in your choice of colour at the position of your choosing. Dams Hi-Res Light Pen can detect the individual pixels that make up the computer colour TV display. The Light Pen also allows you to select an option from a screen menu without making any contact with the computers keyboard, simply by pointing the Light Pen at the option on the screen.

A FREE GAME is included with every Light Pen. Full instructions are also included explaining how to get the very best out of your electric pencil and the Hi-Res plotting routine will push your computers graphics to the limits.

Dams guarantee your Light Pen for a full 12 months from purchase, parts and labour provided it has been used in the specified manner. In the unlikely event of failure return your Light Pen to Dams, with proof of purchase, who will determine whether to repair or replace this with an equivalent unit.

IEEE-488 Interface

(VSO-0930) £68.95

Dams IEEE-488 Interface Cartridge adds a new dimension to your VIC 20. This compact cartridge allows you to use the full range of Commodore computer peripherals with your VIC 20 computer, without changes in your computers software, yet allowing simultaneous use of all your existing peripherals! The serial bus (1540/1541 etc) is used WITHOUT requiring any PEEKing or POKEing. This cartridge also gives you the FULL power of the IEEE-488 interface standard accessing the complete range of IEEE devices whether they be Disk or Printers or Daisey Wheel or Tractor Printer with an IEEE interface.

All this for YOUR computer on an easy to insert cartridge. Uses standard PET-IEEE cable.

Dams guarantee your IEEE Cartridge for a full 12 months from purchase, parts and labour, provided it has been used in the specified manner. In the unlikely event of failure return your IEEE Cartridge to Dams, with proof of purchase, who will determine whether to repair or replace this cartridge with an equivalent unit.

CHALK-SOFT IN EDUCATION

Note Invaders
(VS 0916) £9.25

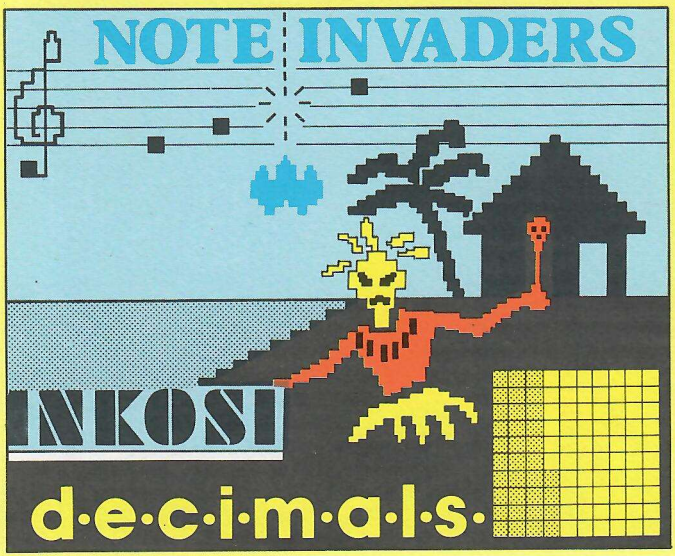
Three programs to help you learn to read music. STAFF 1 and STAFF 2 teach you all the notes. INVADERS is a version of that popular game but you are attacked by musical notes. Fail to identify them and your base is destroyed. Ages 7 to adult. Requires any RAM expansion.

Decimals
(VS 0915) £9.25

To help learn decimals. It first assesses, by means of an interactive test, and then sets lots of practice with the sums found difficult. Includes addition, subtraction, multiplication and division. Age 9 and over. Requires any RAM expansion.

INKOSI
(VS 0911) £6.95

Be an African King! You are INKOSI, the African king. Your aim is to rule your tribe for ten years. Decide how much maize to plant, barter or 'scoff' and how many cows to keep or kill. Beware of the WITCHDOCTOR and the raiding UMO tribe! Stretches the imagination and helps basic maths skills. Requires any RAM expansion.



Sequences
(VS 0914) £6.95

A demonstration of 7 importan number patterns (factors of 3 a 9, square nos., triangular nos., primes, Fibonacci, halving). Th teacher is free to expand on th concept at any stage. Good us of graphics. Ages 8-16. Requires any RAM expansion.

Invisible Man
(VS 0910) £6.95

Draws and labels a Cartesian g and then hides a large cartoon "Shots" are taken and compas point clues are given — e.g. G SOUTH, until part and then a him is found. Time and numbe of shots are displayed. Three levels of difficulty, and very go visual and sound effects. Ages 14. Requires any RAM expansion.

Metrics
(VS 0913) £11.25

Five programs for practice wit the METRIC system — coveri mass, capacity, length, area a volume. Easy to read searchin questions and multi-choice answers. A score is displayed the end, and there are good sound and visual effects. Ages 15. Requires any RAM expan

Pascal
(VS 0912) £6.95

Two programs. The first explaining Pascal's triangle, wi good graphics and sound. The second program is a series of questions. Ages 8-13. Requires any RAM expansion.

ADMAN - SPEECH SYNTHESIZER

Speech Synthesiser

(VS 0920) £45.00

Adman Electronics, one of Britain's leading manufacturers of peripherals for the VIC 20, are pleased to announce the availability of their speech synthesiser. Now the VIC 20 really can speak!

For the uninitiated

The operation of the unit, designed to run on the unexpanded or expanded VIC, couldn't be simpler. Even complete beginners can use it. Insert it into either the expansion port or a motherboard, switch on and the computer is ready to answer back without any programming at all. If you press key "A" the computer will say "A". But not just letters can be used, whatever key you press your VIC 20 will give you an appropriate voiced answer — press "delete" and it says "delete", press "2" and it says "two".

For the experienced programmer

Programming couldn't be simpler. This is how you could put the word "hello" into the program:-

```
10 A$ = "H/E/LL/OO"
20 SYS 41000
```

For the technically minded

To simulate speech, the synthesiser is pre-programmed with the basic 64 sounds used in English, called allophones. There are 64 sounds because most letters of the alphabet can be pronounced in more than one way, such as the "O" in "GO" and the one in "GOT". To achieve this, different sounds need to be typed into the computer in different ways, but it isn't complicated — for the first sound you would type in "OO", for the second simply "O". By using 64 sounds you aren't restricted to set word forms, so virtually any English and many foreign language format words can be constructed.

The possibilities

The uses of the speech synthesiser are almost endless. As an educational tool it could be used to teach young children pronunciation, spelling and maths routines. In the home or the office it could be used for "time" programmes in conjunction with the VIC's on-board clock, to tell you when to do certain things or simply to wake you up in the morning. For the adventure game enthusiast, it would give you the chance to program games where the characters would actually talk. Just imagine!

Whatever your capabilities and interests the speech synthesiser comes with a comprehensive manual that will give you all the guidance you need, including a full table of allophones plus many example program listings.

ABRASCO

Fly Snatcher

(VS 0350) £7.50

Our Long Established Best Seller!

You are in a field with bushes, and only flies to live on. You must survive by snatching each fly and then diving into a bush or the edge of the field. However, a weasel also lives in the field and is determinted to eat you, he will move in any direction and will even jump through bushes to reach you. Each session of fly snatching you survive leads to another with even more flies and a faster weasel.

Android Attack

(VS 0357) £9.50

Defend your city from the androids' bombardment. Beware! If an android lands, a signal is sent to the giant cruiser to release an indestructable warhead. Only your skill can save the city from becoming a pile of burning rubble.

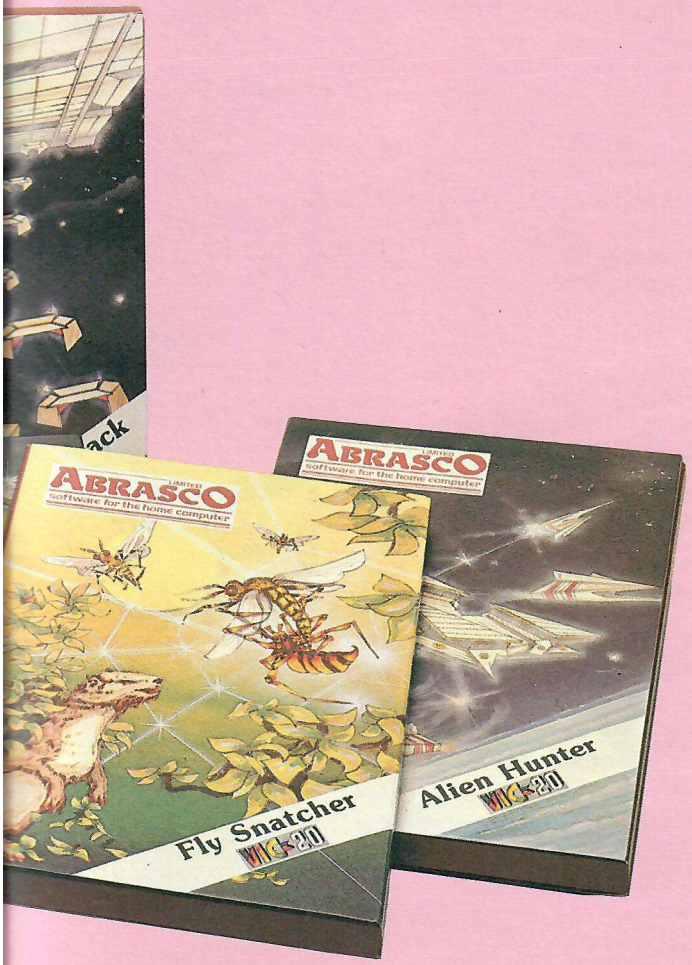
Vixplode

(VS 0356) £8.50

!!The Latest Cult Game!!

!!A Cunning Game of Mind Wrenching Strategy!!

Gain control of the board over the computer by "Vixploding" your counters into adjacent squares. The six levels of play make this the ideal game for all ages. Undoubtedly the finest board game to hit the screen.



Alien Hunter

(VS 0355) £7.50

Experience the safari of the future.

Hunt the alien moving around your sector at the speed of light. Destroy the alien's drones as he lays them in your path, whilst avoiding rogue asteroids. Watch out! Your fuel is diminishing and the pace is accelerating. Your chances of survival are slim.

Double Trouble

(VS 0354) £9.50

This appealing game enables two players or one player versus VIC to enter a high speed world where reactions and judgement are paramount to survival. Players must deflect their ball into fruit-like objects that appear despite "Schizophrenic Spike" who roams the play area. The game would be simple but for the growing walls and court boundaries and . . .

Be thankful this is only a game.

Catcha Troopa

(VS 0353) £9.50

You are their only hope as they parachute down relying on you to save them from the perils of the sea. Catch them in your boat or throw a ladder over board so that they can clamber to safety.

Be quick for they jump in pairs sometimes in threes in the hope that safety in numbers will buy them time. Should you miss them the shark decides on an early lunch.

Their lives depend on you. Don't let them down.

Commodore Special Expansion

On these pages we feature products with which you can expand your VIC 20 computer system — With these prices and special offers, this is a great time to take advantage of the many ways to get the most from your VIC.

Commodore 6-Slot "Motherboard" Expansion Module (VS 1010)

This is a convenient way to make your VIC a "Bigger Computer". You can use it to take more than one "Rampack" expansion module, building up to a maximum of 32K ram.

Its top loading design is a particularly convenient way to insert one of your game cartridges.

It can accept the "Machine Code Monitor Cartridge" for working on advanced programs, or the "Super Expander Cartridge" or "Programmer's Aid Cartridge".

These are just some of the things you can do with the Commodore 6-Slot "Motherboard", an attractive unit which complements the styling of your VIC 20.

eature!

SPECIAL LIMITED EDITION OFFER FOR VICSOFT ONLY!

NORMAL PRICE £115.00

VICSOFT SPECIAL OFFER PRICE

£59-95

Rampack Prices Down

Commodore announces new low prices for memory expansion cartridges. Now, extra memory from Commodore for your VIC 20 computer is better value than ever before. Increasing economies of mass-production have brought costs down and these savings are being passed on to VIC users. With Commodore VIC 20 memory expansion cartridges you can increase the capacity of your VIC, enabling you to use or write bigger and more complex programs.

Expansion Special Offer No. 2

£19.95	**3K Memory expansion cartridge** (Was £29.95)
£29.95	**8K Memory expansion cartridge** (Was £44.95)
£39.95	**16K Memory expansion cartridge** (Was £74.95)

VicSoft

COMMODORE PERIPHERALS

Special Expansion Offer!

We know that the addition of a floppy disk drive or a printer to your VIC system will open up new computing possibilities for you.

To aid you we are giving VICSOFT members **Free** software when they buy one of these products.

Our VIC business programs have many uses for both home and in the office (see pages 46-47 of this catalogue for details). They normally cost up to £24.95, but you can obtain one or more titles **Free**, when you buy a disk drive, printer or both.

Buy a 1541 disk drive and a copy of VS 3304 "VICFILE" is yours — absolutely **Free** (value **£24.95**). Buy a 1525 Printer and you qualify for a **Free** copy of "VIC WRITER" — specify disk (VS 3305) or cassette (VS 3306) version (value up to **£24.95**).

SPECIAL OFFER FOR VICSOFT MEMBERS

SAVE UP TO £74.75

BUSINESS SOFTWARE

Star Offer

Buy both a 1541 and 1525 and receive three **Free** programs, we will give you:-

VS 3304 - VICFILE

VS 3305 - VIC WRITER

VS 3301 - SIMPLICALC

Total value of £74.75.

Limited while stocks last
So Hurry!

See pages 46 and 47 for details on software

ALL ABSOLUTELY FREE!

RABBIT SOFTWARE

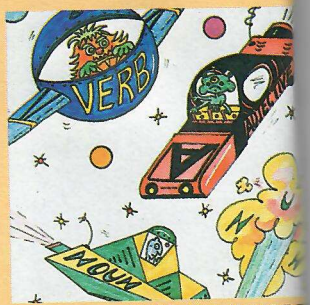
Paratroopers

(VS 0808) £5.99

It gets awfully lonely sitting on your own in a bunker until the Germans decide to drop in. But, be warned, this ain't no social visit!

VIC 20 (unexpanded machine, keyboard or joystick).

PARATROOPERS



ENGLISH INVADE

The Catch

(VS 0804) £5.99

Yet another of our wacking fun games! There is a weird looking alien, trying to catch you out by dropping marbles! You must catch as many as possible in your bowl to get as high a score as possible.

VIC 20 (unexpanded machine, keyboard or joystick).

THE CATCH

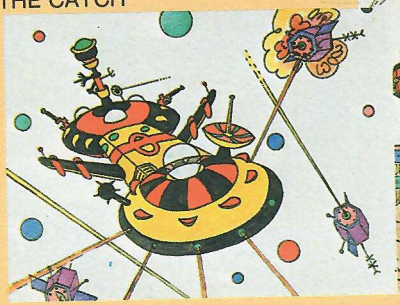
ESCAPE -

Cyclons

(VS 0807) £5.99

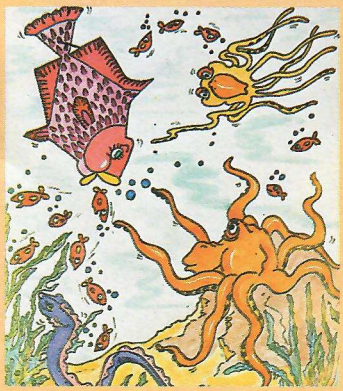
You are the Commander of the protective forces of Sol. Your mission is to destroy the warships from the dreaded Cytron Empire. First you must face the Cyclon fighters which try to lure you into making errors that will lead to your eventual destruction. Then the menacing Pulsar Death Ship will attack, chase you down and eliminate you! Good luck!

VIC 20 (3, 8 or 16K expansion required).



CYCLONS

ANTI MATTER SPLA



PAKACUDA

English Invaders

(VS 0803) £5.99

This program has been written for 7-10 year olds to help them identify the various building blocks of the English language by asking them to identify various words. Simple, fun and very educational!

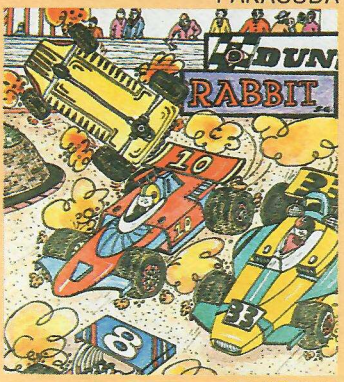
VIC 20 (unexpanded machine, keyboard only).

Pakacuda

(VS 0809) £5.99

Have you ever dreamt of swimming in the deep blue Caribbean Sea? Well, here's your chance but fate has taken a cruel turn and turned you into a Baracuda. Swim around eating as many fish and electric eels as possible whilst fighting off attacks from the ravenous octupii.

VIC 20 (unexpanced machine, joystick only).



RACE FUN

Escape M.C.P.

(VS 0801) £5.99

The 6502 processor bites back. Yes, your computer has gone beserk and you have been de-atomised. You have to escape through nine levels of logic to survive but be warned that the MCP knows your escape plans and is hell-bent on destroying you! Can you escape?

VIC 20 (unexpanded machine, keyboard or joystick).

Race Fun

(VS 0806) £5.99

OK all you budding loony drivers. Here's your chance to prove you can ride with the best. Just you try and pass all these top pro's. Is your hand faster than your eyes and brain? If so then you may just qualify to play this game. We wish you good luck 'cos you're gonna need it!

VIC 20 (unexpanded machine, keyboard or joystick).

CRITTERS

Anti-Matter Splatter

(VS 0802) £5.99

All was serine and peaceful on Mother Earth until "Traal", a creature from another space and time ventured into our solar system. Your mission is to guard Civilisation against the most potent of weapons — the Anti-matter bomb — your only defence being the positron gun. May the force be with you.

VIC 20 (unexpanded machine, joystick or keyboard).

Critters

(VS 0805) £5.99

The year is 1994 and food is scarce. By some weird freak of nature all the birds have mutated into six foot vultures. Your job as a farmer is to guard your rare crop of cherries against the birds by blasting them out of the sky as they swoop down at you.

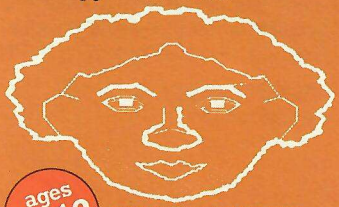
VIC 20 (8 or 16K expansion required, joystick only).

VicSoft

A.S.K.

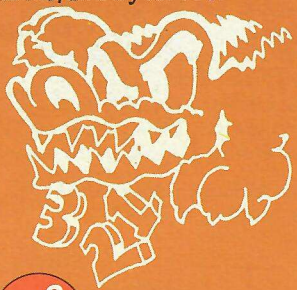
ages 5 to 12

FACEMAKER (VS 0226) Draw character faces — of your family, friends or enemies! See how they'd look with a beard, bald head, or droopy moustache.★★



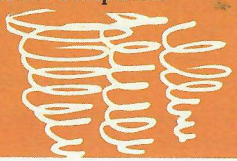
ages 5 to 12

NUMBER GULPER (VS 0235) Gulp numbers to make bigger numbers. Avoid the aliens, and try for 999!★★



ages 8 upwards

TWISTER (VS 0228) A tough sort of Rubiks Cube puzzle with up to 10 rows and columns of different coloured squares. Can you do it without the computers help?★★



ages 5 to 12

NUMBER PUZZLER (VS 0237) Beat a friend or the computer at this 'noughts and crosses' type game with numbers. Try the magic number square and set yourself a number challenge.★

NEW

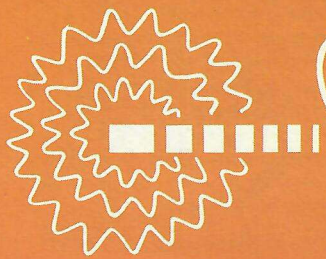
98	7	34
26	59	32
65	15	56

71 24 WIN!

ages 4 to 10

HIDE AND SEEK (VS 0231) Hide things in boxes which then shut. Can you remember what's in each box? Challenge all memory levels.*

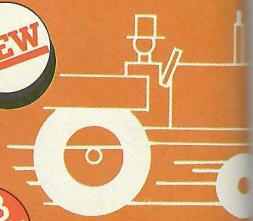
NEW



ages 5 to 8

WORDS WORDS WORDS (VS 0230) Use words to build up various pictures of places like a city or farm. Watch the butterfly fly, the chimney smoke. Link the scenes together yourself and create your own story.★★

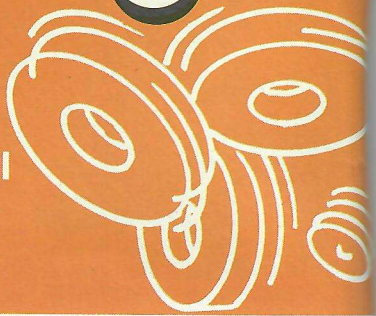
NEW



ages 8 upwards

RAINBOW TOWERS (VS 0236) Try and work out how to move the discs to the right towers — even when they change colour on each move. Difficult with 6 discs, but impossible with 18!★★

NEW



ages 3 upwards

SHAPE UP (VS 0229) Learn to distinguish between various shapes and sizes. Use them to build a house, train or rocket (that actually takes off!)**

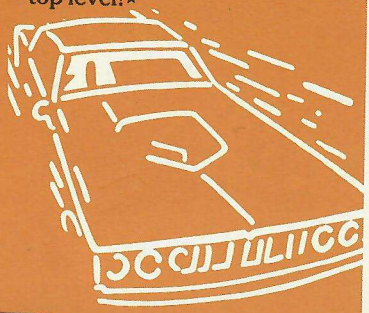
ages 3 upwards

WE WANT TO COUNT (VS 0225) Match objects to objects and then to numbers. Guide the Rocket to the big matching number. Catch the right number of objects in the bucket.**

2345
4532
5243

ages 5 to 12

NUMBER CHASER (VS 0227) Estimate a number and race your car towards it. See if you can make it at the top level!*



Special VICSOFT Offer

Each Product Down From £8.95 to

£6.95

BUY ANY TWO FOR

£12.95

Programmes that combine educational challenge with computer generated fun! Developed by leading educators to help children learn and explore through games that teach and entertain. Each cassette comes in an attractive box together with a detailed Instruction Manual.

**Requires 16K Ram Pack

* Requires 8K or 16K Ram pack

VicSoft

COMMODORE NEW CASSETTE GAMES

3 EXCITING NEW GAMES

Emmet Attack

(VS 2205) £4.99

For the unexpanded VIC 20.

You are sitting in a bunker on an alien planet. The EMMETS are approaching, hiding behind the mountains to escape your guns. You must locate and destroy them before they reach the bunker. An excellent machine code cassette program creating the illusion of 3D when you fire your laser guns.

Spectre

(VS 2207) £4.99

Requires 16K RAM expansion.

You are trapped inside a spooky, haunted mansion filled with valuable treasures. You can only escape by seeking out and collecting these treasures before your energy runs out. At the same time, you must avoid the dreadful monsters lying in wait to destroy you. The game makes full use of colourful graphics and includes trap doors, bottomless wells, last minute escapes from the tower rooms, and more priceless treasures to entice you back into the house!

Patience

(VS 2206) £4.99

Requires 16K RAM expansion.

This is a computerised version the very popular card game called Patience. You have to so a shuffled pack of cards into th four suits. Each suit at the end of the game must be in ascend order from the Ace to the King Playing Patience on the compu is made even more entertainin by the use of captivating graph and the advantage is — you ca cheat!

COMMODORE MULTI-PACK GAME CASSETTES

Games Multipak 1

(VS 2521) £11.99
Requires 8 or 16K RAM.

This two cassette games pack contains four games as follows.

Chinamen
A "board" game for one or two players. Six Chinamen appear on the screen. "Throw" the dice to determine your move. Trap the opponent's men so that they cannot move. A challenging game with outstanding graphics.

African Beads
A strategic game for one or two players. Move the beads from the top row into the buckets so that all your beads are in the last bucket ahead of your opponent.

Panzer Duel
A duel between two tanks shooting over a hill. Get the trajectory and velocity right allowing for the wind which changes with every shot. Survive bombardment and demolish the opposing tank.

Ghost Driver
You are driving in nightmare conditions on a winding road, going the wrong way. Stay on the road avoiding the oncoming traffic. The density of the traffic can be increased. At the end of the game your ability as a driver is scored.

Games Multipak 2

(VS 2522) £11.99
Requires 3, 8 or 16K RAM.

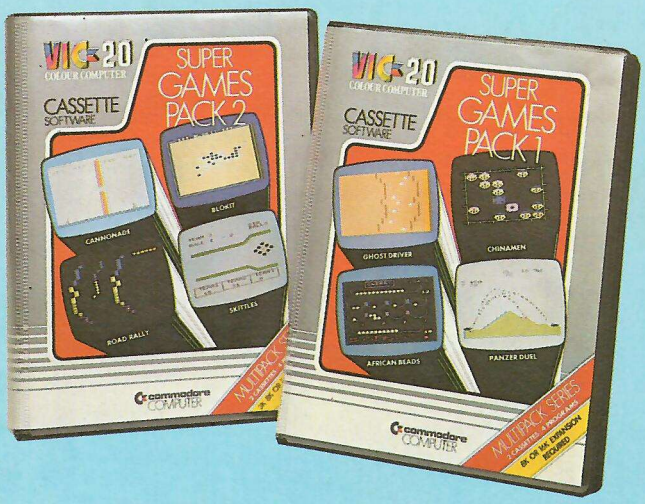
Another two cassette pack offering four new games.

Blokit
A computer adaptation of a traditional board game. Arrange five blocks together in a row vertically, horizontally or diagonally. At the same time the computer blocks attempts to achieve a row. Thought provoking and absorbing.

Cannon Shoot
Try to get your shot through the hole in the intervening wall and demolish your opponent's cannon. Adjust the power and angle of your shot. The positions of the cannons and the hole changes for subsequent games.

Road Rally
Drive your car through winding lanes for as long as possible without hitting the verges. Reduce the width of the track as your skill increases.

Skittles
A traditional skittle alley game to be played by up to three players. Offers several variations in play and scoring. Project the ball at precisely the right moment for maximum effect.

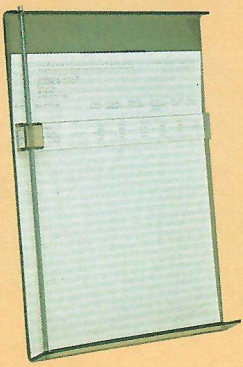


ESSELTE ACCESSORIES

Acrylic Copyholder

(VS 0097) £9.99

This Copyholder in smoked acrylic glass is designed to fit into the Computer environment. The neat design and the Easel Stand ensures that the reading angle is comfortable standing by the Computer. The guide moves easy up and down and the transparent ruler has imperial and metric markings.



Floppy Disc Media Storage (VS 0098) £9.99

The Data Storage Binder is supplied complete with one panel for the safe storage of ten 5½ in Floppy Disks, ten Dividers for the filing of your Hard Copies and ten plastic Pockets for the storage of your program instructions.

The Easel allows for comfortable reading and ensures that minimal space is taken up around the Computer. It folds flat like an ordinary Binder for the easey storage on a shelf.

Computer Care Kit

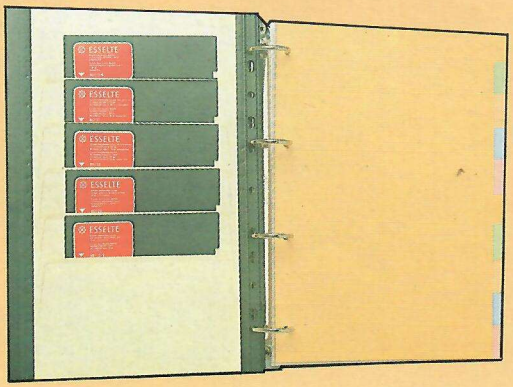
(VS 0099) £9.99

The Tape Drive Head cleaning cassette removes the unavoidable build-up of ferric oxide, dust and grease on the head to ensure the accurate reading and writing of information.

The Anti Static Screen Cleaner removes dust, grease, tar, tobacco stains and of course static build-up from the VDU Screen. Can be used on screens with Anti Glare Filters equally efficient as on glass VDU Screens.

The Anti Static Foam Polish ensures the gentle but thorough cleaning of Comput Hardware and Furniture. The Foam is drip free and adheres the surface being cleaned, lea dust and static free areas.

The Wipes are made from bonded material which compl with the high demands of cleanliness in the Computer environment.



VicSoft

DOWNSWAY

THREE FOR THE PRICE OF ONE!

Downsway Switchable **16K RAM Cartridge for VIC 20**

(VS 0921) £37.50

A smartly styled RAM Cartridge, in a sturdy injection-moulded ABS case which matches the finish of the computer.

Special Feature! The cartridge is switchable for either 3, 8 or 16K use, and despite the small size of the cartridge (less than 20 mm protrudes when fitted to the VIC 20), the switch can be operated without removing the cartridge.

The Downsway cartridge plugs directly into the rear expansion port, and at a flick of a switch you can have 6555, 11755, or 19967 bytes of RAM immediately available — all with just one cartridge! Plus full compatibility with all appropriate accessories.

LYVERSOFT

Lunar Rescue

(VS 0774) £5.95

A game for the unexpanded VIC 20.

A meteor storm is raging on the moon and your task is to land your rescue craft and pick up the three marooned scientists.

Demon Driver

(VS 0773) £5.95

A game for the unexpanded VIC 20.

You have a demonic phobia about cats, if one crosses your path you must run it over. But watch out, the cats have friends.

Crazy Climber and Apple Bug

(VS 0772) £5.95

Two games for the unexpanded VIC 20.

Crazy Climber
Climb the shaky scaffolding and score points as you grab the floating balloons.

Apple Bug
You must eat the life saving apples to survive, but beware the bug is after you.

Hearts & Diamonds
For the VIC 20
Save the hearts from the diamond but watc
Guide the demon car down the road and avoid
DEMON DRIVER
For the VIC 20
Nuclear Attack
Save your country from the holocaust.
For the VIC 20
GRAND PRIX
Avoid the cars and win the race.

Space Assault

(VS 0775) £5.95

Requires 3K or 8K RAM expansion.

A scramble type of game with all the thrills and spills associated with the game. An added twist is you have to dock to collect your fuel.

Compendium 1

(VS 0770) £5.95

Games for the unexpanded VIC 20.

Grand Prix
The British Grand Prix is on,, have you the skill to win the race.

Nuclear Attack
The ICBM have been launched can you intercept then and save your city.

Compendium 2

(VS 0771) £5.95

Games for the unexpanded VIC 20.

Hi-Lo
Based on the famous TV game, place your bets ladies and gentlemen.

Hearts and Diamonds
Protect your hearts from the marauding diamonds.

SELMOR COMPUTER STAND

Computer Trolley

(VS 0898) £60.00

An attractive and versatile computer stand/trolley for your Commodore Computer System.

Features:

- Castors for easy movement.
- Simple ingenious design complements your Computer etc. allowing effective security with fast assembly.
- Anti-slip/Anti-scratch protective flexible PVC strip used.
- Design allows full servicing of Computers etc. and is fully water and solvent proof.
- Devices fully tested, approved and recommended by College and Educational Advisers.

MARCOL COMPUTER CABINET

Computer System Cabinet

(VS 0897) £79.95

New from Marcol Trading is an attractive Computer Cabinet. Not only is the Marcol Cabinet especially designed to hold all the hardware and software for your computer system, it is also the perfect computing work station.

Perhaps its biggest advantage, though, is its ability to simply be a piece of furniture, hiding away your system when not in use.

- High quality construction.
- Attractive woodgrain finish.
- Slide-out shelf for your computer.
- Second shelf for hardware.
- Large software storage compartment.
- Supplied in knock-down form. No need for screws, nails or glue.
- Push open doors.

VicSoft

TERMINAL SOFTWARE

Terminal Invaders

(VS 0851) £5.95

(unexpanded VIC).

This is our special VIC version of the original arcade craze game.

See how long you can postpone your final defeat at the claws of the Bug-Eyed Monsters. Try to dodge the main body of invaders to get a crack shot in at their motherships. Hide your laser gun behind your ground-defense shields, or defiantly run the gauntlet of aerial bombardment to finish a few more off!

Meteor Blaster

(VS 0852) £5.95

(unexpanded VIC, joystick optional).

A space game with a difference — you control the view through your gunsight rather than the position of your ship.

You must steer your way through the meteor storms, blasting the meteors with your rapid-fire superlaser. Each collision drains a bit more energy from your shields. To add to your problems, space demons and UFO's appear and bomb you mercilessly. All is not lost, as occasionally you'll meet a lone space tanker, with whom you may dock and replenish your shield energy. Then again, you may make a mistake in the docking manoeuvre!

Keyboard or a joystick.

Gridder

(VS 0853) £7.95

You play the part of a painter filling in the squares of a maze by drawing round them. When you fill in all the squares you move on to the next grid.

An evil being whose touch is death chases you. He can only see along the lines of the grid, so you must use all your skill and cunning to lure him out of the way, to dodge past him and to complete the maze without being killed.

The quicker you complete the maze, the higher your time bonus, and you start each maz with three lives.

You can drop holes behind y to confuse the chaser, but beware! From maze number fo onwards, there are two chasers and, later on, the chasers can s through and pass through the walls of the maze, even wrappi around the screen! Just to mak sure you don't get bored, there are 256 different mazes, one aft the other.

You can play this game from the keyboard or with a joystick

Skramble!

(VS 0850) £7.95

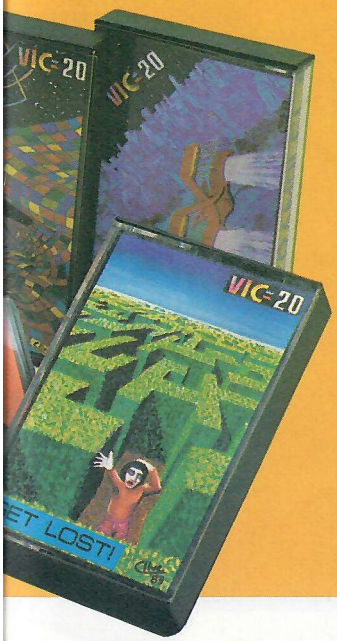
(unexpanded VIC, joystick optional).

This game has been described as "a miracle of memory conservation".

Just as the arcade game, you pilot your space fighter over rough terrain, through caves, above skyscrapers and finally through a maze before docking with your homing slot. There are eight different sections, with different forms of attacking aliens in each!

Can be used with a joystick or without.

TERMINAL



Rescue from Castle Dread

(VS 0857) £9.95

(VIC plus 16K additional memory).

A classic computer adventure. Map your way through this vast scenario, collecting items and solving problems on the way.

The computer tells you where you are and what you can see, and you may respond using a vast amount of verbs and nouns (44 verbs). There are over seventy locations in this scenario, and a large number of problems to solve and objects to manipulate.

TERMINAL

Line Up 4-Reversi

(VS 0854) £7.95

(unexpanded VIC).

Two board-type games on one tape, both guaranteed to keep your brain stimulated for hours.

Line Up 4 features a 7 x 7 matrix, into which you and the computer take turns to drop counters, competing to be the first to achieve a line of four counters — horizontally, vertically or diagonally.

Reversi is a computerised version of the old board game Othello. A very tactical game, you compete against the computer to try and cover the board with as many of your colour counters as possible. You capture lines of your opponent's counters by positioning one of your counters at each end of his line horizontally, vertically or diagonally.

Get Lost!

(VS 0855) £5.95

(unexpanded VIC).

Get Lost! — the sophisticated maze game.

If you select the easiest level, the screen display features a plan view of the maze, direction helpers and a 3-D view of within the maze. You can see yourself on the plan view and as you move, your position changes on the plan, the direction indicators change and your view in the maze changes.

Sounds a little too easy for you? Then try a harder level — there are six to choose from, each one a completely different game.

You must try and weave your way through the maze in the least possible number of moves.

TERMINAL

The Curse of the Werewolf

(VS 0856) £9.95

(VIC plus 16K additional memory).

A change from the normal computerised adventure game.

Solve problems, collect and manipulate items, find clues, whilst telling the computer what to do in normal English. Watch out for the monsters stalking you through the many rooms of the Werewolf's palace. Can you kill them if it comes to the crunch? Will they kill you?

Over 70 locations, many objects, problems and monsters, no two adventures are exactly the same.

COMMODORE BUSINESS

Simplicalc

(VS 3301) Disk Based

£24.95

(VS 3302) Cassette Based

£19.95

SIMPLICALC is an "electronic worksheet" that has great value in answering the question "WHAT IF?". Because of its calculating power it is easy to explore the effects of such things as changes in interest rates or commission structures, etc. Typical applications include:

- Cash Flow Analysis
- Balance Sheet Analysis
- Home Budgets
- DIY Estimates
- VAT Calculations
- Retail Mark-up

SIMPLICALC can add, substract, divide, multiply and even raise a value to a certain power to give squares, cubes, etc. Columns and/or rows of figures can be totalled with a simple one letter command. The product can perform recalculations if a value has been changed and perform calculations dependent on previous results. If requested, SIMPLICALC can reproduce some or all of the contents of a column or row in another location on the sheet. When completed, the sheet can be stored on cassette or diskette and/or printed on the VIC Printer.

This package also includes a comprehensive guide to using SIMPLICALC, which contains a number of useful applications both at home and in business.

NOTE: SIMPLICALC requires the use of a VIC 1541 Single Drive Floppy Disk Unit for the disk-based package or a VIC C2N Cassette Unit for the cassette-based package. Both versions require the use of a VIC 16K RAM Memory Expansion Cartridge and can be used with the VIC Printer.

VICWRITER

(VS 3305) Disk Based

£24.95

(VS 3306) Cassette Based

£19.95

VICWRITER is a word-processing program which easily enables you to create, store, and modify text on your VIC 20 colour computer.

VICWRITER has many uses both at home and in business; some typical applications include:

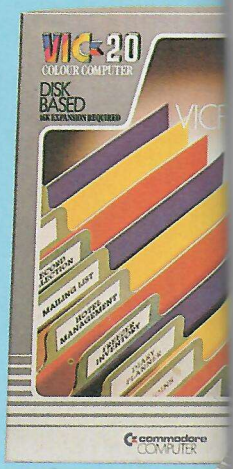
- Personal letters.
- Business letters.
- Reports.
- Memoranda.
- Mailing list labels.

By using VICWRITER you can relieve the boredom of typing identical text time and time again. whilst retaining the essential features of a typewriter. As you type the characters appear on a line near the bottom of the VIC screen. When the screen width is full, the line moves to the left, just as the paper does in a manual typewriter. You can specify the width of margin you require for your page by using one single command, allowing a page width of as little as 20 characters per line or as many 80.

Text can be stored on casse tape or on diskette so that you can recall it later and make amendments, or print it out.

This package also includes a comprehensive guide to using VICWRITER.

NOTE: VICWRITER requires the use of a VIC 1541 Single Drive Floppy Disk Unit for the diskette-based package or a VI C2N Cassette Unit for the cassette-based package. Both versions require the use of eith an 8K or 16K RAM Memory Expansion Cartridge, and a VIC Printer.



VIC Stock Control

(VS 3303) Cassette Based

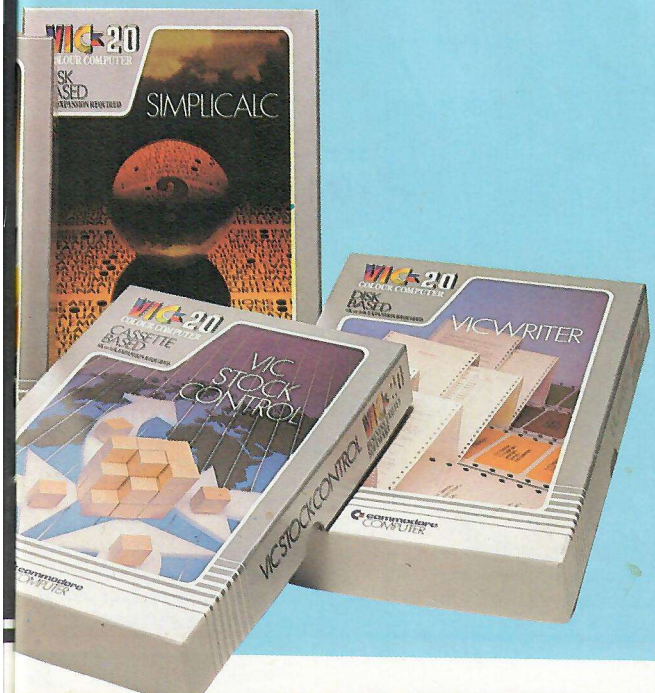
£19.95

VIC STOCK CONTROL is a VIC 20 package which enabled you to easily keep accurate records of the stock in your business or house. Three programs are provided which will allow you to set up details for in excess of 750 items of stock. You can create a description for each to make reference easier and can update the information held on each item upon receipt or issue of stock. Some typical applications include:

- Controlling stock in a shop.
- Maintaining records of spare parts/accessories in a garage.
- Recording stock on non-perishable food in a restaurant.
- Keeping records of household goods.

VIC STOCK CONTROL will alert you when the quantity of a particular stock item falls below the minimum stock level and will value your total stock at cost and retail value on request. All details can be saved on cassette so that the information can be recalled and updated later and/or can be printed on the VIC Printer.

NOTE: VIC STOCK CONTROL requires the use of a VIC C2N Cassette unit, and either a VIC 8K or VIC 16K RAM Memory Expansion Cartridge, and can be used with the VIC Printer.



VICFILE

(VS 3304) Disk Based only.

£24.95

VICFILE is a comprehensive information handling system which can easily be tailored to meet the needs of a wide variety of applications both in the business and home environment. Some typical applications include:

- Maintenance of Personnel files.
- Mailing Lists.
- Inventory of home freezer contents.
- Coin/Stamp/Record collections.

VICFILE is a diskette-based system which allows up to 1,000 records to be stored on a single diskette. These records are stored in a date file — much as you would store information in a filing cabinet. A number of file manipulation options are available: records can be stored into ascending, alphabetical or numeric order; or searched, selecting records that match up to five pre-defined conditions. These records may be displayed on the screen, printed individually or printed as a report. As part of its report generation facility, VICFILE includes an arithmetic capability which allows calculations to be made on specific items, which can then be printed within the report.

This package contains a comprehensive guide to using VICFILE which contains a number of useful applications both at home and in business.

NOTE: VICFILE requires the use of a VIC 1541 floppy disk unit and a VIC 16K Memory Expansion pack. A VIC printer can also be used.

ALPHATRONIC

Alphatronic

Does your computer equipment ever get dusty? Worse still, has it ever been damaged by that accidental coffee spillage.

To protect your equipment and give you peace of mind, Alphatronic have put a stop to all that with a range of high quality dust covers.

Each cover is made in high quality beige vinyl with brown stitched nylon tape on all seams, with a Commodore logo for a smart, attractive appearance. Add to this the fact that these covers are all inexpensively priced and you will realise that it doesn't make sense not to look after your valuable system.

Covers supplied for:		
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(C2N New Style)	VS 0781	£1.60
(C2N Old Style)	VS 0782	£1.60
1540/1541 Disk Drive	VS 0783	£3.20
1515 Printer	VS 0784	£3.30
1526 Printer	VS 0785	£3.45

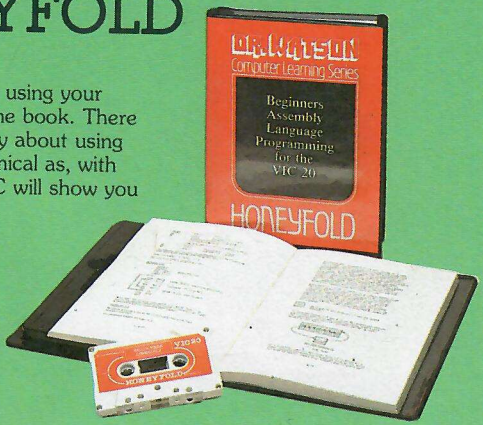
VicSoft

HONEYFOLD

Dr Watson
(VS 0795) £14.95

Start here and make your programs faster, shorter, more impressive and quickly more complex.

This package, contains a book and a tape cassette. It provides a self paced machine code/assembly language course. It starts from scratch and needs no knowledge of machine code and assumes little or no knowledge of BASIC. All the instructions are illustrated by sample programs and you will find it much easier using your VIC as you read the book. There is no need to worry about using Binery or Hexademical as, with the tutor, your VIC will show you how this all works.



QUICKSILVA

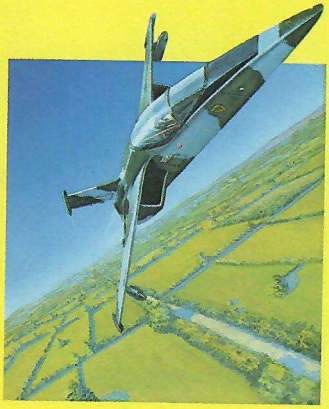
Software for the VIC 20 + 3K/8K RAM from

Skyhawks

(VS 0507) £7.95

Somewhere in the centre of Europe the people of a small village found themselves under attack. They were unable to understand why the raiders had suddenly come screaming upon their village one quiet Sunday morning. The Mayor called a hurried meeting in the Town Hall. The air was then filled with a terrible roaring, a gale of dust blew in through the doors, all but shaking them from their hinges. An abrupt silence dropped over the hall like a shroud.

A dark figure appeared beyond the door. An arm reached behind the glass to the door handle. Then slowly the door opens to reveal a figure clothed in a tight silver jump suit wearing a helmet



with a full face visor of mirrored glass.

"I am sorry for this," started the figure in a crisp full voice "we had not meant for this to ever happen, my men are at this moment engaged in the construction of refuelling platforms for me which once completed I will endeavour to protect your village from the raiders. Please follow me. Now". With these few words the silver clad stranger walked briskly from the room. The silver man led the villagers to a small hill behind the Post Office, fiddled with a device on his wrist and a door in the side of the hill opened to reveal a well lit tunnel leading down into the bowels of the earth. The silver man directed the villagers into the depths, the door closed behind them as they walked into an underground village.

Above, the silver man climbed into the cockpit of his plane, Skyhawk, and lifted up into the quiet sky to patrol the village.

And then the raiders returned and powerful weapons burnt lines across the sky.

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			Total Amount		£39-94

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			Total amount		

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Membership No ☐☐☐☐☐☐

PLEASE ALLOW 28 DAYS FOR DELIVERY. ALL ITEMS COVERED BY 12 MONTHS MANUFACTURERS GUARANTEE

GLOSSARY OF TERMS

Here are some words you encounter in literature about your VIC. We'll publish more in each VISCOFT issue.

ARRAY A sequence of related variables that are accessed in matrix form.

ASSEMBLY LANGUAGE A language designed to make the writing of machine code easier.

BASIC The most popular computer language that is the simplest to use and learn.

BIT Made up of Binary digit and is the term to describe to 0's and 1's of binary code which the computer is able to understand.

BYTE A term to measure the number of BIT's — 8 BIT's to 1 BYTE. One BYTE is used for each character in a program including spaces.

BUG A slang term to indicate a mistake either in a program or a mechanical/electronic fault which prevents the program from working.

CHIP A term given (normally to the finished product) of a slice of silicon on which is etched all the components which make up an integrated circuit.

DISK A magnetic storage device which may be floppy disk or hard disk. A hard disk stores more information and is correspondingly more expensive.

GRAPHICS A name given to a character which is not a letter of a number.

HARDWARE A term which covers the general makeup of a computer, i.e. the machine itself and its components.

HIGH RESOLUTION A term to describe the facility of the micro-computer to be able to draw very fine lines between programmable points on the screen.

KILOBYTE A measurement of computer memory which is a 'binary thousand', i.e. 1024 bytes, so 5K is equivalent to 5120 (5 x 1024) bytes.

LOOP Refers to the repeated execution of a series of instructions for a given number of times.

MACHINE CODE The language that the heart of the processor uses. May be programmed directly in which case the program is very fast compared with BASIC.

MEMORY That area of the computer from with data or information can be stored and later extracted.

PEEK A BASIC statement which allows you to read the contents of a specific memory address.

PERIPHERALS That equipment other than the computer which can be linked with the computer, e.g. printers, disk drives and VDU's.

POKE An instruction commonly used in most versions of BASIC which allows you to store integers in a specific memory location.

RAM (Random Access Memory) A volatile memory chip which can be temporarily loaded with data. Memory is lost on which off.

ROM (Read Only Memory) A non-volatile chip from which data can be read from and not written to. Does not lose its memory on switch off.

SOFTWARE A A term which commonly refers to computer programs but may also refer to documation.